



Issuance Date: November 12, 2004
Effective Date: December 1, 2004
Expiration Date: November 30, 2009

STATE WASTE DISCHARGE PERMIT NUMBER ST 5081

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
SOUTHWEST REGIONAL OFFICE

In compliance with the provisions of the
State of Washington Water Pollution Control Law
Chapter 90.48 Revised Code of Washington, as amended,
authorizes

Surfside Inn Condominiums (WorldMark by Trendwest)

31512 J. Place

Ocean Park, WA 98640

Surfside Condominium
Homeowner's Association
31512 J. Place
Ocean Park, WA 98640

Joe McHugh
Owner of wastewater plant
4912 113th Street
Long Beach, WA 98631

Mike Elson, Director of Resort
Operations, WorldMark,
Chairman of Board of Directors,
Surfside Homeowners Association
#705-828 Howe St.
Vancouver, B.C. V6Z 2X2

John Kukula
Owner of drainfield property
31508 J Pl
Ocean Park, WA 98640-5207

to discharge wastewater in accordance with the special and general conditions which follow.

Plant Location: Same as above

Discharge Location:

Legal Description: S.E. ¼ of NE ¼
Section 17, Range R11W, Township 12N

Treatment Type: Activated Sludge and tertiary
filters

Latitude: 46° 31' 51" N

Longitude: 124° 03' 09" W

Kelly Susewind, P.E., P.G.
Southwest Regional Manager
Water Quality Program
Washington State Department of Ecology

TABLE OF CONTENTS

SUMMARY OF PERMIT REPORT SUBMITTALS 4

SPECIAL CONDITIONS

S1. DISCHARGE LIMITATIONS 5

S2. MONITORING REQUIREMENTS 6

 A. Interim and Final Wastewater Plant Monitoring

 B. Ground Water Monitoring

 C. Sampling and Analytical Procedures

 D. Flow Measurement

 E. Laboratory Accreditation

S3. REPORTING AND RECORDKEEPING REQUIREMENTS 8

 A. Reporting

 B. Records Retention

 C. Recording of Results

 D. Additional Monitoring by the Permittee

 E. Noncompliance Notification

S4. FACILITY LOADING 10

 A. Design Criteria

 B. Plans for Maintaining Adequate Capacity

 C. Wasteload Assessment

S5. OPERATION AND MAINTENANCE 12

 A. Certified Operator

 B. O & M Program

 C. Short-term Reduction

 D. Electrical Power Failure

 E. Prevent Connection of Inflow

 F. Bypass Procedures

S6. RESIDUAL SOLIDS 14

S7. PRETREATMENT 14

 A. Discharge Authorization Required

 B. Prohibitions

 C. Notification of Industrial User Violations

 D. Industrial User Survey

S8. HYDROGEOLOGIC STUDY 16

S9. IMMEDIATE REPAIRS REQUIRED 16

S10. ADDITIONAL CONNECTIONS PROHIBITED 17

GENERAL CONDITIONS

G1. SIGNATORY REQUIREMENTS..... 18

G2. RIGHT OF ENTRY 18

G3. PERMIT ACTIONS 19

G4. REPORTING A CAUSE FOR MODIFICATION 19

G5. NOTIFICATION OF NEW OR ALTERED SOURCES 19

G6. PLAN REVIEW REQUIRED 19

G7. COMPLIANCE WITH OTHER LAWS AND STATUTES..... 19

G8. DUTY TO REAPPLY 20

g9. payment of fees 20

G10. PENALTIES FOR VIOLATING PERMIT CONDITIONS..... 20

SUMMARY OF PERMIT REPORT SUBMITTALS

Refer to the Special and General Conditions of this permit for additional submittal requirements.

Permit Section	Submittal	Frequency	First Submittal Date
S3.A.	Discharge Monitoring Report	Monthly	January 15, 2005
S4.B.	Plans for Maintaining Adequate Capacity (Engineering Report)	1/permit cycle	June 1, 2005
S4.B.	Complete actions in approved Engineering Report		January 1, 2006
S4.C.	Wasteload Assessment	1/year	March 1, 2005
S8.	Hydrogeologic Study Scope of Work	NA	
S8.	Hydrogeologic Study Report (Phase II)	NA	
S9.	Immediate Repair Requirements	1/permit cycle	March 1, 2005
G8.	Application for permit renewal	1/permit cycle	June 1, 2009

SPECIAL CONDITIONS

S1. DISCHARGE LIMITATIONS

All discharges and activities authorized by this permit shall be consistent with the terms and conditions of this permit. The discharge of any of the following pollutants more frequently than, or at a concentration in excess of, that authorized by this permit shall constitute a violation of the terms and conditions of this permit.

Beginning on the effective date and lasting through the expiration date [or modification of the permit by the Department of Ecology (Department)], the Permittee is authorized to discharge wastewater to drainfields at the permitted location subject to the following limitations:

	EFFLUENT LIMITATIONS	
Parameter	Average Monthly ^a	Average Weekly ^b
Flow	0.02 mgd	None
BOD ₅	20 mg/L, 3.3 lbs/day	30 mg/L, 5.0 lbs/day
TSS	20 mg/L, 3.3 lbs/day	30 mg/L, 5.0 lbs/day
Fecal Coliform	200/100 ml	400/100 ml
Total Nitrogen ^c	10 mg/L	15 mg/L,
pH	Shall not be outside the range of 6.0 to 9.0 standard units	
^a The average monthly effluent limitation is defined as the highest allowable average of daily discharges over a calendar month, calculated as the sum of all daily discharges measured during a calendar month divided by the number of daily discharges measured during that month.		
^b The average weekly effluent limitation is defined as the highest allowable average of daily discharges over a calendar week, calculated as the sum of all daily discharges measured during a calendar week divided by the number of daily discharges measured during that week. For pollutants with limitations expressed in units of mass, the average discharge is calculated as the average total mass of the pollutant discharged over the day. For other units of measurement, the daily discharge is the average measurement of the pollutant over the day.		
^c Total Nitrogen (mg/L) = TKN + NO3-N + NO2-N, TKN = organic nitrogen + NH3-N		

GROUND WATER LIMITATIONS	
Parameter	Interim Enforcement Limits
Total Nitrogen ¹	10.mg/L
NO ₃ -N	10 mg/L
NO ₂ -N	10 mg/L
TKN	10 mg/L
NH ₃ -N	10 mg/L
Chloride	250 mg/L
Total Dissolved Solids	500 mg/L
Total Coliform Bacteria	1 CFU/100mL

$$^1\text{Total Nitrogen (mg/L)} = \text{TKN} + \text{NO}_3\text{-N} + \text{NO}_2\text{-N}, \text{TKN} = \text{organic nitrogen} + \text{NH}_3\text{-N}$$

The point of compliance for the groundwater limitations shall be well #1, located 100 feet West of the drainfield. Based on the results of the Hydrogeologic Study required under S8 and subsequent monitoring, the Department will develop final groundwater enforcement limits and incorporate those limits by modifying the permit.

S2. MONITORING REQUIREMENTS

A. Wastewater Plant Monitoring

The sampling point for the influent shall be at the Flow Control Box.

The sampling point for the effluent from the above ground treatment works shall be at the end of the Discharge Chamber upstream of the effluent pumps wetwell prior to discharging to the drainfields.

The Permittee shall monitor the wastewater according to the following schedule:

Parameter	Units	Sample Point	Sampling Frequency*	Sample Type
Flow	MGD	Influent and/or Effluent	Continuous	Flow Meter and/or hour meter on dosing pump and known capacity of pump
BOD	mg/L, lbs/day	Influent and Effluent	1/week	24-hour composite
TSS	mg/L, lbs/day	Influent and Effluent	1/week	24-hour composite
pH	Standard Units	Effluent	5/week	Grab
Fecal Coliform	CFU/100 ml	Effluent	1/week	Grab
TKN (as N)	mg/L	Effluent	1/month	Grab
NO ₃ (as N)	mg/L	Effluent	1/month	Grab
NH ₃ (as N)	mg/L	Effluent	1/month	Grab
NO ₂ (as N)	mg/L	Effluent	1/month	Grab

* Continuous means uninterrupted except for brief lengths of time for calibration, for power failure, or for unanticipated equipment repair or maintenance. Sampling shall be taken three times daily when continuous monitoring is not possible.

B. Ground Water Monitoring

Until installation of the Department-approved monitoring network described in Special Condition S8 of this permit, the sampling points for ground water shall be the existing monitoring wells 1 and 2. After completion of the installation of the Department-approved ground water monitoring network, the Permittee shall notify the Department and begin monitoring the new network according to the schedule below.

The Permittee shall monitor the ground water according to the following schedule:

Parameter	Units	Sampling Frequency*	Sample Type
pH	Standard Units	Quarterly	Field Test
Dissolved Oxygen	mg/L	Quarterly	Field Test
Temperature	°C	Quarterly	Field Test
Water Level	Feet	Quarterly	Field Test
Iron (ferrous, Fe+2)	mg/L or +/-	Quarterly	Field Test
Conductivity	micromhos/cm	Quarterly	Field Test
Total Coliform	CFU/100mL	Quarterly	Grab
Chloride	mg/L	Quarterly	Grab
Total Dissolved Solids	mg/L	Quarterly	Grab
NH3-N (Ammonia as N)	mg/L	Quarterly	Grab
NO2-N (as N)	mg/L	Quarterly	Grab
NO3 (as N)	mg/L	Quarterly	Grab
TKN (as N)	mg/L	Quarterly	Grab
Iron (total)	mg/L	Quarterly	Grab
Calcium	mg/L	Annually	Grab
Magnesium	mg/L	Annually	Grab
Potassium	mg/L	Annually	Grab
Sodium	mg/L	Annually	Grab
Manganese	mg/L	Annually	Grab
Bicarbonate	mg/L	Annually	Grab
Carbonate	mg/L	Annually	Grab
Silica	mg/L	Annually	Grab
Sulfate	mg/L	Annually	Grab

*Quarterly testing will be conducted in January, April, July, and October and submitted to the Department by the 15th of the following month. Annual testing will be conducted in October and submitted to the Department by November 15th of each year.

C. Sampling and Analytical Procedures

Samples and measurements taken to meet the requirements of this permit shall be representative of the volume and nature of the monitored parameters, including representative sampling of any unusual discharge or discharge condition, including bypasses, upsets and maintenance-related conditions affecting effluent quality.

Ground water sampling shall conform to the *Implementation Guidance for the Ground Water Quality Standards*, Ecology 1996.

Sampling and analytical methods used to meet the water and wastewater monitoring requirements specified in this permit shall conform to the latest revision of the *Guidelines Establishing Test Procedures for the Analysis of Pollutants* contained in 40 Code of Federal Regulations (CFR) Part 136 or to the latest revision of *Standard Methods for the Examination of Water and Wastewater* (APHA), unless otherwise specified in this permit or approved in writing by the Department.

Sludge monitoring requirements specified in this permit shall be conducted according to test procedures specified in 40 CFR Part 503.

D. Flow Measurement

Appropriate flow measurement devices and methods consistent with accepted scientific practices shall be selected and used to ensure the accuracy and reliability of measurements of the quantity of monitored flows. The devices shall be installed, calibrated, and maintained to ensure that the accuracy of the measurements are consistent with the accepted industry standard for that type of device. Frequency of calibration shall be in conformance with manufacturer's recommendations and at a minimum frequency of at least one calibration per year. Calibration records shall be maintained for at least three years.

E. Laboratory Accreditation

All monitoring data required by the Department shall be prepared by a laboratory registered or accredited under the provisions of, *Accreditation of Environmental Laboratories*, Chapter 173-50 Washington Administrative Code (WAC). Flow, temperature, settleable solids, conductivity, pH, and internal process control parameters are exempt from this requirement. Conductivity and pH shall be accredited if the laboratory must otherwise be registered or accredited. Crops, soils, and hazardous waste testing has not been included in the accreditation program. Crops, soils, and hazardous waste data shall be provided by a lab accredited for similar parameters in water media.

S3. REPORTING AND RECORDKEEPING REQUIREMENTS

The Permittee shall monitor and report in accordance with the following conditions. The falsification of information submitted to the Department shall constitute a violation of the terms and conditions of this permit.

A. Reporting

The first monitoring period begins on the effective date of the permit. Monitoring results shall be submitted monthly. Monitoring data obtained during the previous month shall be summarized and reported on a form provided, or otherwise approved, by the Department, and be received no later than the 15th day of the month following the completed reporting period, unless otherwise specified in this permit. Priority pollutant analysis data shall be submitted no later than 45 days following the reporting period. The report(s) shall be sent to the Department of Ecology, P.O. Box 47775, Olympia, Washington 98504-7775.

Discharge Monitoring Report forms must be submitted monthly whether or not the facility was discharging. If there was no discharge or the facility was not operating during a given monitoring period, submit the form as required with the words "no discharge" entered in place of the monitoring results.

B. Records Retention

The Permittee shall retain records of all monitoring information for a minimum of three years. Such information shall include all calibration and maintenance records and all

original recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit. This period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the Permittee or when requested by the Director.

The Permittee shall retain all records pertaining to the monitoring of sludge for a minimum of five years.

C. Recording of Results

For each measurement or sample taken, the Permittee shall record the following information: (1) the date, exact place and time of sampling; (2) the individual who performed the sampling or measurement; (3) the dates the analyses were performed; (4) who performed the analyses; (5) the analytical techniques or methods used; and (6) the results of all analyses.

D. Additional Monitoring by the Permittee

If the Permittee monitors any pollutant more frequently than required by this permit using test procedures specified by Condition S2 of this permit, then the results of this monitoring shall be included in calculation and reporting of the data submitted in the Permittee's self-monitoring reports.

E. Noncompliance Notification

In the event the Permittee is unable to comply with any of the permit terms and conditions due to any cause, the Permittee shall:

1. Immediately take action to stop, contain, and cleanup unauthorized discharges or otherwise stop the violation, and correct the problem;
2. Repeat sampling and analysis of any violation and submit the results to the Department within 30 days after becoming aware of the violation;
3. Immediately notify the Department of the failure to comply; and
4. Submit a detailed written report to the Department within 30 days, unless requested earlier by the Department, describing the nature of the violation, corrective action taken and/or planned, steps to be taken to prevent a recurrence, results of the resampling, and any other pertinent information.

Compliance with these requirements does not relieve the Permittee from responsibility to maintain continuous compliance with the terms and conditions of this permit or the resulting liability for failure to comply.

S4. FACILITY LOADING

A. Design Criteria

Flows or waste loadings of the following design criteria for the permitted treatment facility shall not be exceeded:

Average flow for the maximum month: 0.02 million
gallons/day

B. Plans for Maintaining Adequate Capacity

The wastewater treatment plant, drainfield and associated equipment and appurtenances have not been maintained in satisfactory operating condition. In addition, portions of the facility have been modified, abandoned, disconnected or taken out-of-service without the Department's approval as required by Chapter 90.48.110 RCW. Further, portions of the drainfield have been sold to other parties without clear operation, maintenance or use agreements.

These unauthorized modifications, lack of cooperative management of the system between and general lack of maintenance have jeopardized the facility's ability to adequately treat the wastewater.

In order to correct these deficiencies, an Engineering Report prepared in compliance with WAC 173-240-060 shall be submitted to the Department for review and approval by **June 1, 2005**, to address the scope of work detailed below. Evaluation of treatment plant operations, collection and drainfield components, and operation shall be conducted by a professional engineer licensed in the state of Washington and experienced in the design and operation of domestic wastewater treatment facilities.

Improvements, modifications, repairs or other actions identified in the approved Engineering Report shall be completed by **January 1, 2006**.

Drainfield:

- Determine the actual flow distribution in the drainfield based on field observations and/or flow measurement.
- Develop a drainfield operating plan to optimize effluent distribution in the drainfield. The drainfields shall be operated/rotated in a manner consistent with good operating procedures to prevent clogging and mounding. Consult with best management practice manuals for operation of infiltration drainfields and onsite systems. Also consult with the local and/or State Health Department(s) for guidance.
- Determine the integrity of the drainfield pipe by test pits or tv'ing if technically feasible.

- Insure that access to the drainfield appurtenances for inspection, maintenance, replacement, and repair is provided at all times. Access shall be through recorded agreements.
- Establish the hydraulic capacity of the drainfields based on current information about subsurface infiltration systems and the information from the hydrogeologic study detailed in S8.

Wastewater Treatment Plant:

- Identify repairs or modifications to the headworks equipment such that it provides adequate screening and grit removal. The headworks appurtenances shall be accessible in a safe and easy manner to minimize risks to the operator and make it time efficient for the operator to carry out his/her operating duties.
- Provide a new control system design for all plant components.
- Evaluate nitrogen removal alternatives for the wastewater treatment plant.
- Develop a maintenance management system to insure maintenance of all plant equipment.
- Evaluate the age and serviceability of all plant equipment relative to the life expectancy of the equipment.
- Develop an Operation & Maintenance Manual and standard operating procedures for the plant and have them onsite and available for use.
- Evaluate the wastewater plant building for structural integrity. The evaluation must examine safety issues associated with the building such as the soundness of the laboratory floor. Also evaluate the building for ease of egress, operation and maintenance of the plant and equipment. Consider items like roofing, siding, the need for ventilation, windows, and skylights.

Management/Administration:

- Develop an enforceable contract between responsible parties regarding the operation and management of the wastewater plant.
- Develop a budget for operation and maintenance of the plant as well as major capital replacement of worn out equipment such as blowers, pumps, and other necessary improvements.
- Each party will be listed on the discharge permit and will bear the responsibility for the treatment plant meeting discharge standards and being adequately maintained for reliability and operability purposes.
- Develop a user charge system reflective of the budget described above. The user rates should be updated periodically to reflect inflation, operation, and equipment replacement needs.

C. Wasteload Assessment

The Permittee shall conduct an annual assessment of their flow and waste load and submit a report to the Department by **March 1, 2005**, and annually thereafter. The report shall contain the following: an indication of compliance or noncompliance with the permit effluent limitations; a comparison between the existing and design monthly average dry weather and wet weather flows, peak flows, BOD, and total suspended solids loadings; and (except for the first report) the percentage increase in these parameters since the last annual report. The report shall also state the present and design population or population equivalent, projected population growth rate, and the estimated date upon which the design capacity is projected to be reached, according to the most restrictive of the parameters above.

S5. OPERATION AND MAINTENANCE

The Permittee shall at all times be responsible for the proper operation and maintenance of any facilities or systems of control installed to achieve compliance with the terms and conditions of the permit.

A. Certified Operator

An operator certified for at least a Class III plant by the state of Washington shall be in responsible charge of the day-to-day operation of the wastewater treatment plant. An operator certified for at least a Class II plant shall be in charge during all regularly scheduled shifts.

B. O & M Program

The Permittee shall institute an adequate operation and maintenance program for their entire sewage system. Maintenance records shall be maintained on all major electrical and mechanical components of the treatment plant, as well as the sewage system and pumping stations. Such records shall clearly specify the frequency and type of maintenance recommended by the manufacturer and shall show the frequency and type of maintenance performed. These maintenance records shall be available for inspection at all times.

C. Short-term Reduction

If a Permittee contemplates a reduction in the level of treatment that would cause a violation of permit discharge limitations on a short-term basis for any reason, and such reduction cannot be avoided, the Permittee shall give written notification to the Department, if possible, 30 days prior to such activities, detailing the reasons for, length of time of, and the potential effects of the reduced level of treatment. This notification does not relieve the Permittee of their obligations under this permit.

D. Electrical Power Failure

The Permittee is responsible for maintaining adequate safeguards to prevent the discharge of untreated wastes or wastes not treated in accordance with the requirements of this permit during electrical power failure at the treatment plant and/or sewage lift stations

either by means of alternate power sources, standby generator, or retention of inadequately treated wastes. The Permittee shall maintain Reliability Class II (EPA 430-99-74-001) at the wastewater treatment plant, which requires primary sedimentation and disinfection.

E. Prevent Connection of Inflow

The Permittee shall strictly enforce their sewer ordinances and not allow the connection of inflow (roof drains, foundation drains, etc.) to the sanitary sewer system.

F. Bypass Procedures

The Permittee shall immediately notify the Department of any spill, overflow, or bypass from any portion of the collection or treatment system.

The bypass of wastes from any portion of the collection or treatment system is prohibited unless one of the following conditions (1, 2, or 3) applies:

1. Unavoidable Bypass -- Bypass is unavoidable to prevent loss of life, personal injury, or severe property damage. "Severe property damage" means substantial physical damage to property, damage to the treatment facilities which would cause them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass.

If the resulting bypass from any portion of the treatment system results in noncompliance with this permit the Permittee shall notify the Department in accordance with Condition S3.E "Noncompliance Notification."

2. Anticipated Bypass That Has The Potential to Violate Permit Limits or Conditions -- Bypass is authorized by an administrative order issued by the Department. The Permittee shall notify the Department at least 30 days before the planned date of bypass. The notice shall contain a description of the bypass and its cause; the duration of the bypass, including exact dates and times; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the bypass. The Department will consider the following prior to issuing an administrative order:

- a. If the bypass is necessary to perform construction or maintenance-related activities essential to meet the requirements of the permit.
- b. If there are feasible alternatives to bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, maintenance during normal periods of equipment down time, or transport of untreated wastes to another treatment facility.
- c. If the bypass is planned and scheduled to minimize adverse effects on the public and the environment.

After consideration of the above and the adverse effects of the proposed bypass and any other relevant factors, the Department will approve or deny the request. The public shall be notified and given an opportunity to comment on bypass

incidents of significant duration, to the extent feasible. Approval of a request to bypass will be by administrative order issued by the Department under Revised Code of Washington (RCW) 90.48.120.

3. Bypass For Essential Maintenance Without the Potential to Cause Violation of Permit Limits or Conditions -- Bypass is authorized if it is for essential maintenance and does not have the potential to cause violations of limitations or other conditions of the permit, or adversely impact public health as determined by the Department prior to the bypass.

S6. RESIDUAL SOLIDS

Residual solids include screenings, grit, scum, primary sludge, waste activated sludge and other solid waste. The Permittee shall store and handle all residual solids in such a manner so as to prevent their entry into state ground or surface waters. The Permittee shall not discharge leachate from residual solids to state surface or ground waters.

S7. PRETREATMENT

The Permittee shall work cooperatively with the Department to ensure that all commercial and industrial users of the wastewater treatment system are in compliance with pretreatment regulations.

A. Discharge Authorization Required

Significant commercial or industrial operations shall not be allowed to discharge wastes to the Permittee's sewerage system until they have received prior authorization from the Department in accordance with Chapter 90.48 RCW and Chapter 173-216 WAC, as amended. The Permittee shall immediately notify the Department of any proposed new sources of wastewater from significant commercial or industrial operations.

B. Prohibitions

A non-domestic discharger may not introduce into the Permittee's sewerage system any pollutant(s) that cause pass through or interference.

The following non-domestic discharges shall not be discharged into the Permittee's sewerage system.

1. Pollutants that create a fire or explosion hazard in the domestic wastewater facilities (including, but not limited to waste streams with a closed cup flashpoint of less than 140 degrees Fahrenheit or 60 degrees Centigrade using the test methods specified in 40 CFR 261.21).
2. Pollutants that will cause corrosive structural damage to the domestic wastewater facilities, but in no case discharges with pH lower than 5.0 standard units or greater than 11.0 standard units, unless the works are specifically designed to accommodate such discharges.

3. Solid or viscous pollutants in amounts that could cause obstruction to the flow in sewers or otherwise interfere with the operation of the Publicly Owned Treatment Works (POTW).
4. Any pollutant, including oxygen demanding pollutants, (BOD, etc.) released in a discharge at a flow rate and/or pollutant concentration which will cause interference with the POTW.
5. Heat in amounts that will inhibit biological activity in the POTW resulting in interference, but in no case heat in such quantities such that the temperature at the POTW exceeds 40°C (104°F) unless the Department, upon request of the Permittee, approves, in writing, alternate temperature limits.
6. Petroleum oil, non-biodegradable cutting oil, or products of mineral origin in amounts that will cause interference or pass through.
7. Pollutants which result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity which may cause acute worker health and safety problems.
8. Any trucked or hauled pollutants, except at discharge points designated by the Permittee.
9. As provided by WAC 173-303-071(3)(a), discharges of dangerous wastes into the sewerage system by industrial or commercial users are prohibited unless the discharger has submitted an application for a State Waste Discharge Permit. The applicant must accurately describe the wastewater on a State Waste Discharge Permit Application for Industrial Discharges to a publicly owned treatment works (POTW) (Ecology Form 040-177).
10. Noncontact cooling water in significant volumes.
11. Stormwater and other direct inflow sources.
12. Wastewaters significantly affecting system hydraulic loading, which do not require treatment or would not be afforded a significant degree of treatment by the system.

C. Notification of Industrial User Violations

The Permittee shall notify the Department if any non-domestic user violates the prohibitions listed in S7.B above.

D. Industrial User Survey

The Permittee shall perform an industrial user survey, or other activities (e.g., sewer use ordinance and local limits development), which are necessary for the proper administration of the state pretreatment program.

S8. HYDROGEOLOGIC STUDY

The Permittee shall evaluate the impacts of its activities on ground water quality by completing the elements below to include: a scope of work for a hydrogeologic study, a hydrogeologic study, a report of study results, installation of a ground water monitoring network, and ongoing monitoring. This work shall be conducted by a hydrogeologist licensed in the State of Washington.

- A. Within 90 days of the effective date of this permit, the Permittee shall submit a scope of work to the Department for a hydrogeologic study at the wastewater application site, in accordance with WAC 173-200-080. The scope of work will conform to *Guidelines for Preparation of Engineering Reports for Industrial Wastewater Land Application Systems*, Ecology 1993. Additional guidance is provided in *Implementation Guidance for the Ground Water Quality Standards*, Ecology 1996. This workplan shall be prepared in consideration of the current and proposed methods of operation of the drainfield.
- B. Upon approval of the scope of work by the Department, the Permittee shall conduct a study to determine site specific hydrogeologic conditions, well siting, quality control protocols, a sampling plan and sampling protocols. The hydrogeologic study shall include a mounding analysis to be used to locate the upgradient monitoring well(s). The Permittee shall submit a report of the results within 90 days of approval of the scope of work.
- C. Within 60 days after review and approval of the report by the Department, the Permittee shall begin construction of the ground water monitoring network. Well construction shall be in accordance with Chapter 173-160 WAC.
- D. After completion of the installation of the Department-approved ground water monitoring network, the Permittee shall notify the Department and begin monitoring the new network according to the schedule in S2.

Based on the results of the hydrogeologic study and subsequent groundwater monitoring, the Department will develop and update final groundwater enforcement limits and effluent limits for this facility.

S9. IMMEDIATE REPAIRS REQUIRED

Because of the severe state of disrepair of the wastewater treatment plant, collection, and drainfield system, the Department requires that certain actions or repairs be completed in order to continue operation of the facility. These actions or repairs are necessary to allow for proper operation and safe inspection of the collection system, drainfield and treatment plant. The required actions are detailed below and shall be completed, in full by **March 1, 2005**.

Drainfield:

- Locate and reestablish access to distribution boxes and valve operators for drainfield laterals.
- Locate and reopen the drainfield air vents to aid proper distribution of the flow within the drainfield.

Wastewater Treatment Plant:

- Return all mechanical components of the plant to their original operating condition. Replace components that are no longer serviceable.
- Reroute the RAS recycle line through the wall so that it does not pass through the doorway so that the door can be closed to protect the inside environment of the plant.
- Clear brush away from all sides of the treatment plant building to prevent fire danger and allow adequate egress.
- Repair holes in the floor.
- Remove all trip hazards such as unused equipment and trash from the treatment plant building.
- Repair all backup equipment Replace all units that have reached their normal life expectancy and cannot be cost effectively maintained.
- Provide adequate safety equipment and lighting in all areas of the treatment plant building. Provide light switches adjacent to all doorways.
- Clean and organize the laboratory.

Collection System:

- Clean, TV, and inspect all collection system lines and manholes.
- Repair, and/or replace all deficiencies.

S10. ADDITIONAL CONNECTIONS PROHIBITED

Additional sewer service connections are not authorized, except for those residential lots with County plat approval prior to July 1, 2004, where such approval specifies that sewer service would be provided by this facility.

Additional sewer service connections from new development on the properties containing portions of the drainfield shall not be allowed until such time as the repairs identified in S9 and the improvements specified in the approved engineering report required in S4.B are satisfactorily completed and accepted in-writing by the Department, AND available treatment capacity is demonstrated to the Department's satisfaction.

GENERAL CONDITIONS

G1. SIGNATORY REQUIREMENTS

All applications, reports, or information submitted to the Department shall be signed as follows:

- A. All permit applications shall be signed by either a principal executive officer or ranking elected official.
- B. All reports required by this permit and other information requested by the Department shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:
 - 1. The authorization is made in writing by the person described above and is submitted to the Department at the time of authorization, and
 - 2. The authorization specifies either a named individual or any individual occupying a named position.
- C. Changes to authorization. If an authorization under paragraph B.2 above is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization must be submitted to the Department prior to or together with any reports, information, or applications to be signed by an authorized representative.
- D. Certification. Any person signing a document under this section shall make the following certification:

"I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

G2. RIGHT OF ENTRY

Representatives of the Department shall have the right to enter at all reasonable times in or upon any property, public or for the purpose of inspecting and investigating conditions relating to the pollution or the possible pollution of any waters of the state. Reasonable times shall include normal business hours; hours during which production, treatment, or discharge occurs; or times when the Department suspects a violation requiring immediate inspection. Representatives of the Department shall be allowed to have access to, and copy at reasonable cost, any records required to be kept under terms and conditions of the permit; to inspect any monitoring equipment or method required in the permit; and to sample the discharge, waste treatment processes, or internal waste streams.

G3. PERMIT ACTIONS

This permit shall be subject to modification, suspension, or termination, in whole or in part by the Department for any of the following causes:

- A. Violation of any permit term or condition;
- B. Obtaining a permit by misrepresentation or failure to disclose all relevant facts;
- C. A material change in quantity or type of waste disposal;
- D. A material change in the condition of the waters of the state; or
- E. Nonpayment of fees assessed pursuant to RCW 90.48.465.

The Department may also modify this permit, including the schedule of compliance or other conditions, if it determines good and valid cause exists, including promulgation or revisions of regulations or new information.

G4. REPORTING A CAUSE FOR MODIFICATION

The Permittee shall submit a new application, or a supplement to the previous application, along with required engineering plans and reports, whenever a new or increased discharge or change in the nature of the discharge is anticipated which is not specifically authorized by this permit. This application shall be submitted at least 60 days prior to any proposed changes. Submission of this application does not relieve the Permittee of the duty to comply with the existing permit until it is modified or reissued.

G5. NOTIFICATION OF NEW OR ALTERED SOURCES

The Permittee shall submit written notice to the Department whenever any new discharge or increase in volume or change in character of an existing discharge into the sewer is proposed which: (1) would interfere with the operation of, or exceed the design capacity of, any portion of the collection or treatment system; (2) would increase the total system flow or influent waste loading by more than 10 percent; (3) is not part of an approved general sewer plan or approved plans and specifications; or would be subject to pretreatment standards under 40 CFR Part 403 and Section 307(b) of the Clean Water Act. This notice shall include an evaluation of the system's ability to adequately transport and treat the added flow and/or wasteload.

G6. PLAN REVIEW REQUIRED

Prior to constructing or modifying any wastewater control facilities, an engineering report and detailed plans and specifications shall be submitted to the Department for approval in accordance with Chapter 173-240 WAC. Engineering reports, plans, and specifications should be submitted at least 180 days prior to the planned start of construction. Facilities shall be constructed and operated in accordance with the approved plans.

G7. COMPLIANCE WITH OTHER LAWS AND STATUTES

Nothing in the permit shall be construed as excusing the Permittee from compliance with any applicable federal, state, or local statutes, ordinances, or regulations.

G8. DUTY TO REAPPLY

The Permittee must apply for permit renewal by **June 1, 2009**.

G9. PAYMENT OF FEES

The Permittee shall submit payment of fees associated with this permit as assessed by the Department. The Department may revoke this permit if the permit fees established under Chapter 173-224 WAC are not paid.

G10. PENALTIES FOR VIOLATING PERMIT CONDITIONS

Any person who is found guilty of willfully violating the terms and conditions of this permit shall be deemed guilty of a crime, and upon conviction thereof shall be punished by a fine of up to ten thousand dollars and costs of prosecution, or by imprisonment in the discretion of the court. Each day upon which a willful violation occurs may be deemed a separate and additional violation.

Any person who violates the terms and conditions of a waste discharge permit shall incur, in addition to any other penalty as provided by law, a civil penalty in the amount of up to ten thousand dollars for every such violation. Each and every such violation shall be a separate and distinct offense, and in case of a continuing violation, every day's continuance shall be and be deemed to be a separate and distinct violation.